After students have completed their individual data sheets, they need to collect class data for at least traits # 2 and trait # 8 in order to answer the analysis questions. This is a good time for class discussion of the probability of individuals sharing multiple traits.

Additional Activity Ideas

- Have each "parent" draw the child's face. Then compare the "mother's" and the "father's" perception of characteristics.

- Do the lab twice, comparing the genotypes and phenotypes of the resulting siblings.

- "Marry" the children off, to produce an F_2 generation (grandchildren).

Safety Considerations
Other than the noise of all the pennies being flipped at once, there are no hazards associated with this lab.

References
Prepared by Lenore Kop and Thomas Crowley (see original on www.accessexcellence.org)

Adapted from materials from Joan Carlson, Jack Doepke, Judy Jones and Randyll Warehime

Lewis, Rikki. 1994. *Human Genetics: Concepts and Applications.* Wm. C. Brown Publishers

Stine, Gerald J. 1989. *The New Human Genetics*. Wm. C. Brown Publishers

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